--9. (new) A carcass structure for vehicle wheel tyres, comprising:

at least one carcass ply; and

a pair of annular reinforcing structures each engaged in proximity to a respective interior circumferential edge of the at least one carcass ply;

wherein the at least one carcass ply comprises a first and a second series of strip segments consecutively arranged along a circumferential development of a toroidal support and extending according to a substantially U-shaped conformation, wherein a sealing layer is optionally disposed between the at least one carcass ply and the toroidal support;

wherein the first and the second series of strip segments comprise at least two filiform elements, positioned longitudinally and parallel to each other, at least partially coated by at least one layer of raw elastomer material, and

wherein each of the annular reinforcing structures comprises:

at least one primary portion; and

at least one additional portion;

wherein the at least one primary portion presents an axially-interior side oriented toward terminal edges of the first series of strip segments and an axially-exterior side oriented toward terminal edges of the second series of strip segments;

wherein the at least one primary portion comprises:

a first circumferentially-inextensible annular insert;

a filling body; and

at least one second circumferentially-inextensible annular insert;

LAW OFFICES
FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000

wherein the first annular insert is substantially annulus-shaped and is positioned coaxially to the toroidal support and adjacently to an interior circumferential edge of the at least one carcass ply,

wherein the first annular insert is formed by at least one elongated element extending in concentric turns,

wherein the filling body is made of elastomeric material and is joined to the first annular insert,

wherein the at least one second annular insert is substantially annulus-shaped and is positioned coaxially to the toroidal support in a position set axially side-by-side to the filling body and laterally opposite relative to the first annular insert, and

wherein the at least one second annular insert is formed by at least one elongated element extending in concentric turns; and

wherein the at least one additional portion is positioned against the terminal edges of the second series of strip segments on a side opposite to the at least one primary portion,

wherein the at least one additional portion comprises at least one third circumferentially-inextensible annular insert,

wherein the at least one third annular insert is substantially crown-shaped and is positioned coaxially to the toroidal support and adjacently to an interior circumferential edge of the at least one carcass ply, and

wherein the at least one third annular insert is formed by at least one elongated element extending in concentric turns.

LAW OFFICES
FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000

10. (new) The carcass structure of claim 9, wherein the first and the second series of strip segments are arranged in a mutually-alternated sequence along the circumferential development of the toroidal support.

11. (new) The carcass structure of claim 10, wherein each of the strip segments presents two lateral portions, developing substantially toward a geometric axis of the toroidal support in positions that are mutually-distanced in the axial direction, and a crown portion, extending in a radially-exterior position between the lateral portions,

wherein the crown portions of the first and the second series of strip segments are set mutually side-by-side along the circumferential development of the toroidal support.

12. (new) The carcass structure of claim 9, wherein the second annular insert and the at least one third annular insert present a lesser radial extension than a radial extension of the first annular insert.

13. (new) The carcass structure of claim 12, wherein the at least one third annular insert presents a radial extension between one-third and two-thirds of the radial extension of the first annular insert.

14. (new) The carcass structure of claim 12, wherein the second annular insert presents a radial extension between one-third and two-thirds of the radial extension of the first annular insert.

LAW OFFICES
FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000

15. (new) The carcass structure of claim 9, further comprising an auxiliary filling body made of elastomeric material disposed in an axially-exterior position against the at least one carcass ply and extending radially away from the at least one third annular insert.

16. (new) The carcass structure of claim 15, wherein a hardness value of the auxiliary filling body is substantially equal to a hardness value of the filling body.--

REMARKS

Applicant submits this Preliminary Amendment together with a national stage entry under 35 U.S.C. § 371.

In this Preliminary Amendment, Applicant adds section headings, section subheadings, and an Abstract of the Disclosure to conform to U.S. practice. Additionally, Applicant adds claims to the right of priority and benefit. Further, Applicant cancels, without prejudice or disclaimer, claims 2-8, and adds new claims 9-16, which include the same subject matter as the original claims, to improve clarity. The originally filed specification, claims, abstract, and drawings fully support the amendments to the specification and the addition of new claims 9-16. No new matter was introduced.

LAW OFFICES
FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000